

22/3/2016

الفترة

د. م. م. م.

محاضرة [5]

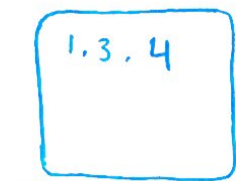
Midterm exam: * System Dynamics (causal loop Diagram)
(Stock flow Diagram)

* Data flow Diagram

الامتحان هو الـ Case Study ويمكن يكون فيه نظري.

DFD - context Diagram

Data Store - process - external Entity - Data flow



process

process 4 of Level 2 child of process 3 of Level 1 which is a child of process 1 of Level zero

When analyzing, verbs are processes. Data Store is like Database, paper, sheets ... etc

* Context Diagram is one process connected to the external entities

name of the system

* Context Diagram has no data storage since it's a detail in the process.

* Context Diagram makes the boundaries clear, you know the external entities.

* DFD is not a complete model, still needs

Data Dictionary (meta data about data). and process description.

get a good understanding of - Levelling

- Balancing

Balanced System: inputs of parents are the
* inputs of child's; output of the parents are the
outputs of children.

* data flow between processes consists of data items
~~data~~. So it's decomposed to more data flows.

data flows in Lower Levels are seen as data items
in higher levels.

* data items are sometimes seen as smallest data unit.

* data units need a data structure, which is seen in
data dictionary.

* DFD deals with structured data, if no structured
data, DFD cannot be used.

* you start by doing CLD then convert it
to stock flow Diagram, then implemented in
software